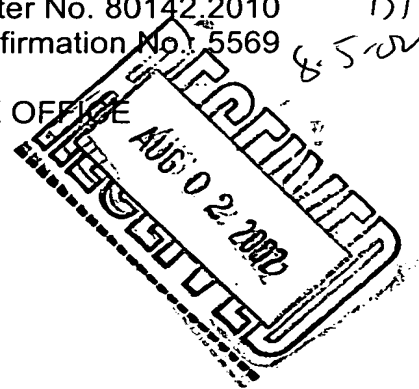




07-25-a

Express Mail No. EL954332632US  
Client/Matter No. 80142.2010  
Confirmation No. 5569

212  
#4  
BT  
8502



RECEIVED  
JUL 31 2002  
Technology Center 2100

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
In re Application of:

Mark Vange, et al.

Group Art Unit: 2122

Serial No. 09/835,876

Examiner:

Filed: April 16, 2001

For: SYSTEM AND METHOD FOR  
IMPLEMENTING APPLICATION  
FUNCTIONALITY WITHIN A  
NETWORK INFRASTRUCTURE

Attorney Docket No. CIRC020

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. 1.56

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant hereby submits for filing under 37 CFR 1.97 a disclosure statement. In submitting these references, no representation is made or implied that the references are or are not material to the examination of this application. The patents, publications or other information of which Applicant is presently aware are listed in Form PTO/SB/08A submitted herewith and copies of all such patents and publications are attached hereto.

No fee is believed due for this submittal. However, any fee deficiency associated with this submittal may be charged to Deposit Account No. 50-1123.

Signed on 7/26/02

Respectfully submitted,

Stuart T. Langley, Reg. No. 33,940  
HOGAN & HARTSON LLP  
One Tabor Center  
1200 17th Street, Suite 1500  
Denver, Colorado 80202  
(720) 406-5335 Tel  
(720) 406-5301 Fax



Express Mail No. EL954332632US  
Client/Matter No. 80142.2010  
Confirmation No.: 5569

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Mark Vange, et al.

Serial No. 09/835,876

Filed: April 16, 2001

For: SYSTEM AND METHOD FOR  
IMPLEMENTING APPLICATION  
FUNCTIONALITY WITHIN A  
NETWORK INFRASTRUCTURE

Attorney Docket No. CIRC020

Group Art Unit: 2122

Examiner:

RECEIVED  
JUL 31 2002  
Technology Center 2100

CERTIFICATE OF MAILING BY EXPRESS MAIL

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The undersigned hereby certifies that the attached:

1. Information Disclosure Statement;
2. Form PTO/SB/08A, with references;
3. Certificate of Mailing; and
4. Return card

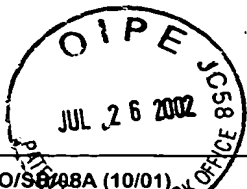
relating to the above application, were deposited as "Express Mail" Mailing Label No. EL954332632US, with the United States Postal Service, addressed to The Assistant Commissioner for Patents, Washington, D.C., 20231.

7/26/02  
Date

[Signature]  
Mailer

7/26/02  
Date

[Signature]  
Stuart T. Langley, Reg. No. 33,940  
HOGAN & HARTSON LLP  
One Tabor Center  
1200 17th Street, Suite 1500  
Denver, Colorado  
(720) 406-5335 Tel  
(720) 406-5301 Fax



PTO/SB-198A (10/01)  
(Substitute Form for PTO 1449A/PTO)

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

Sheet 1 of 2

ATTY. DOCKET NO. CIRC020  
Client/Matter No. 80142.2010

APPLICATION NO. 09/835,876

FIRST NAMED INVENTOR: Mark VANGE

FILING DATE April 16, 2001

ART UNIT 2122

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document No. No. - Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Doc	
		U.S. 6,006,264	12.21.1999	COLBY, et al.	<b>RECEIVED</b> <b>JUL 31 2002</b> <b>Technology Center 2100</b>
		U.S. 5,951,694	09.14.1999	CHOQUIER, et al.	
		U.S. 5,933,412	08.03.1999	CHOUDHURY, et al.	
		U.S. 5,757,771	05.26.1998	LI, et al.	
		U.S. 5,673,322	09.30.1997	PEPE, et al.	
		U.S. 5,258,983	11.02.1993	LANE, et al.	
		U.S. 5,999,971	12.07.1999	BUCKLAND	
		U.S. 6,023,456	02.08.2000	CHAPMAN, et al.	
		U.S. 6,034,964	03.07.2000	FUKUSHIMA, et al.	
		U.S. 6,167,449	12.26.2000	ARNOLD, et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Doc cntry code - No. - Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Doc	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	TRANSLATION	
						YES	NO
		EP 0384339 A2	08.29.1990	DIGITAL EQUIPMENT CORP.			
		EP 0794491 A2	09.10.1997	IBM			
		EP 0942363 A2	09.15.1999	IBM			
		WO 97/29424	08.14.1997	CITRIX SYSTEMS			
		WO 97/30392	08.21.1997	HOUSER, et al.			
		WO 98/28938	07.02.1998	NORTHERN TELECOM LTD.			
		WO 99/09689	02.25.1999	MOTOROLA, INC.			
		WO 98/26553	06.18.1998	SUN MICROSYSTEMS, INC.			
		WO 99/57637	11.11.1999	BRITISH TELECOMMUNICATIONS			
		EP 0828214 A2	03.11.1998	LUCENT TECHNOLOGIES, INC.			



	WO 99/18534	04.15.1999	WEB BALANCE, INC.		
	GB 2309558	07.30.1997	IBM		
	WO 99/57620	11.11.1999	SONERA OY		

# OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) published, city and/or country where published
		K. SRIRAM, "Methodologies for bandwidth allocation, transmission scheduling, and congestion avoidance in broadband ATM networks", Computer Networks and ISDN Systems, 26 (1993) pp. 43-59.
		V. P. KUMAR, et al., "Beyond Best Effort: Router Architectures for the Differentiated Services of Tomorrow's Internet", May 1998, IEEE Communications Magazine, pp. 152-164.
		R. M. ADLER, "Distributed Coordination Models for Client/Server Computing", April 1995, IEEE Computer, pp. 14-22.
		G.-C. LAI, et al., "Support QoS in IP over ATM", Computer Communications, 22 (1999) pp. 411-418.

EXAMINER SIGNATURE

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.